VALLFIREST.COM

FIRE FIGHTERS TOOLS

VALLFIREST

USER MANUAL:

VALLFIREST COMPACT DRIP TORCH

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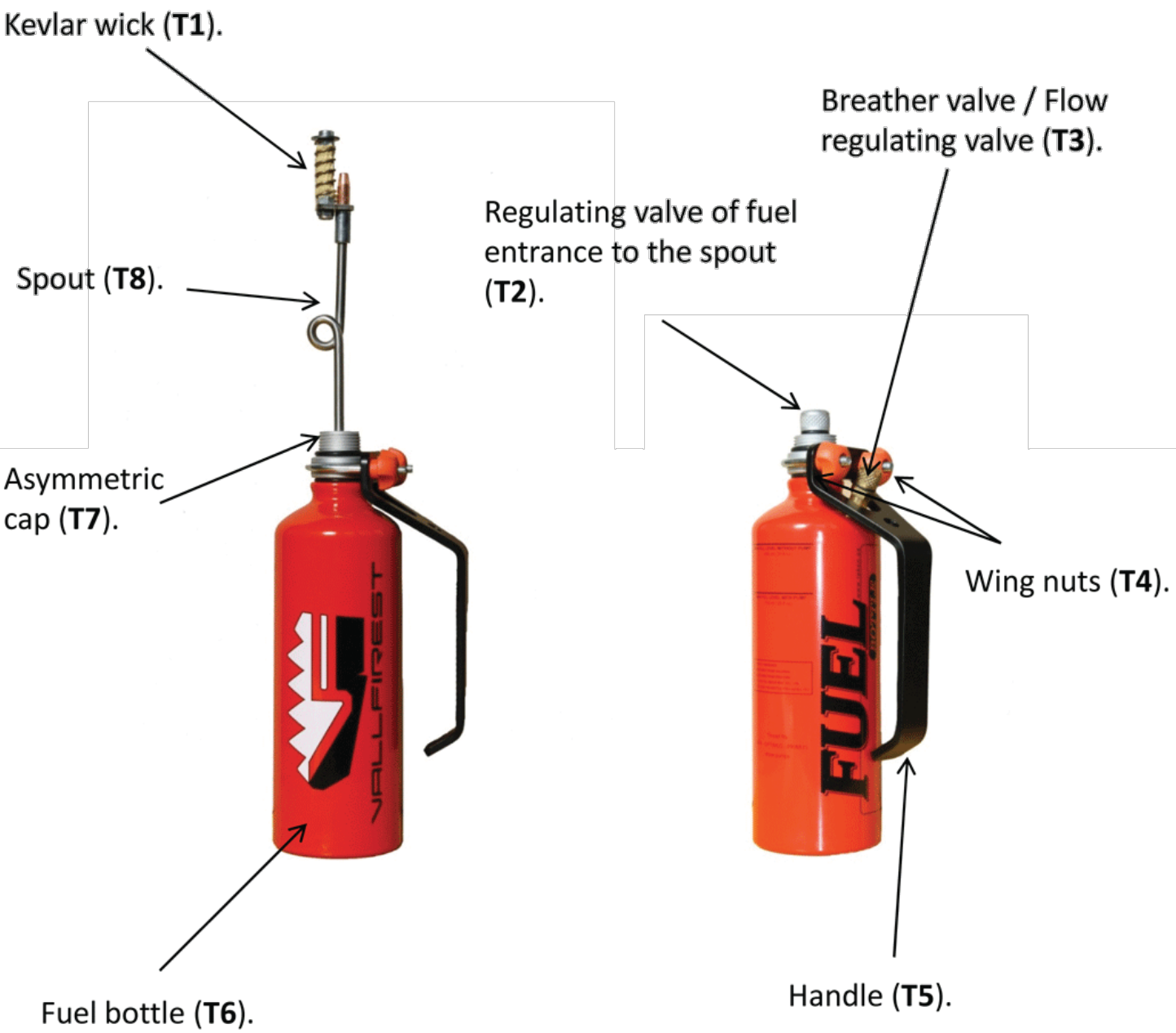
1) COMPONENTS:



2) USER MANUAL:

2.1) How to fill the fuel bottle.

1) Unscrew the asymmetric cap (**Tx**) and remove carefully the spout of the inside of the bottle.

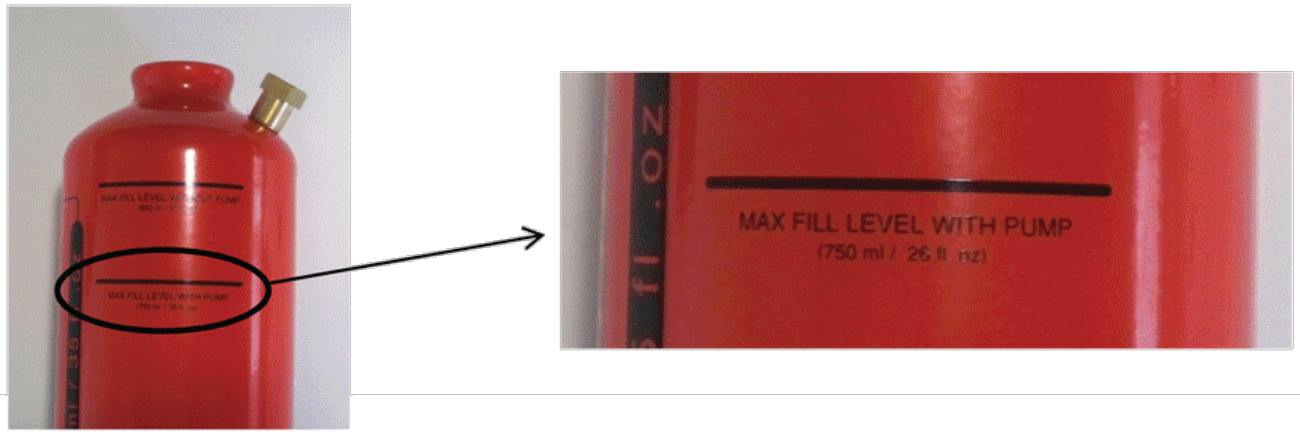
2) Fill the fuel bottle with fuel mixture to the maximum level (750 mL) indicated in the bottle side.

* **NOTE:** The fuel mixture is composed of:
¾ parts of diesel + ¼ of gasoline

* **NOTE:** It is recommended to have prepared the mixture in a larger tank to facilitate and reduce the time of filling.

2) USER MANUAL:

* **IMPORTANT:** Never fill the bottle above the maximum level. A higher fuel level would not allow the product to work properly due to lack of air inside the bottle. This peak is also justified for safety reasons of the user.



3) Introduce the spout inside the fuel bottle and screw the asymmetric cap.

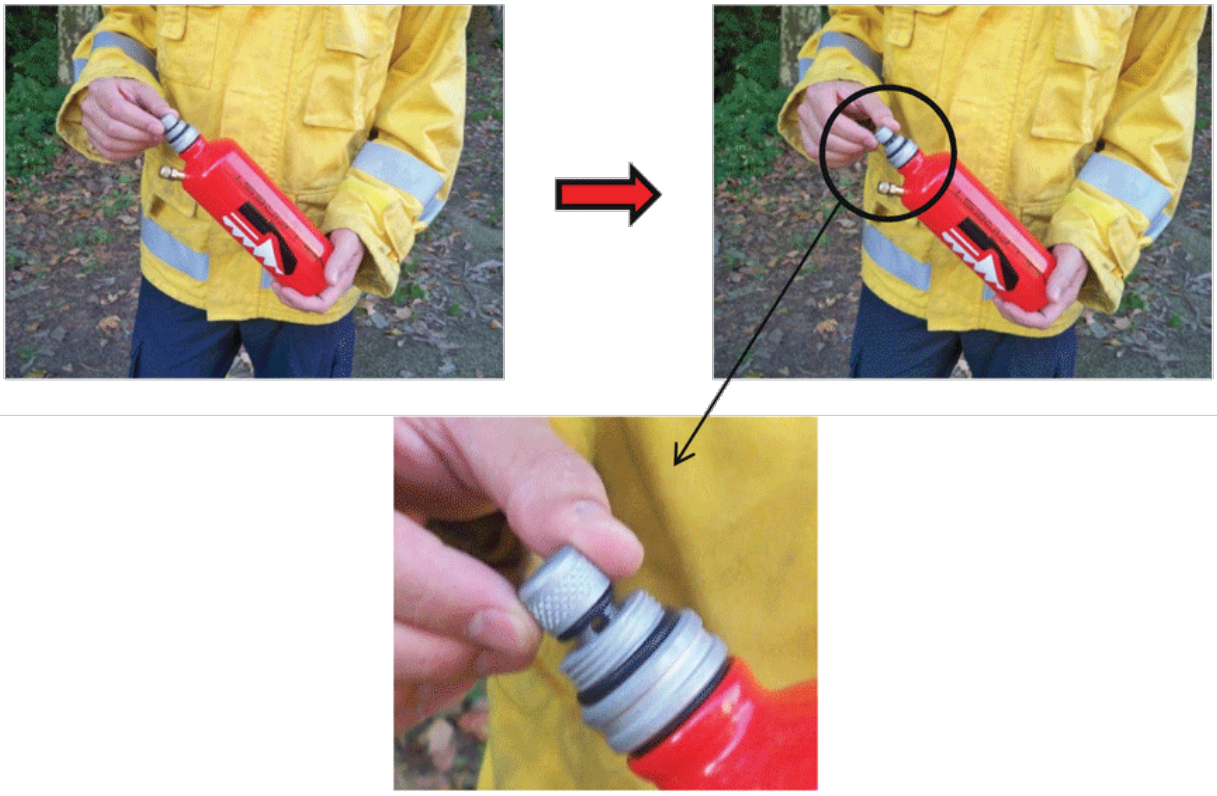
* **NOTE:** Ensure that the cap is completely screwed (the O-ring is slightly compressed).

4) Ensure that the valves **T2** and **T3** are closed.

2) USER MANUAL:

2.2) How to use the torch.

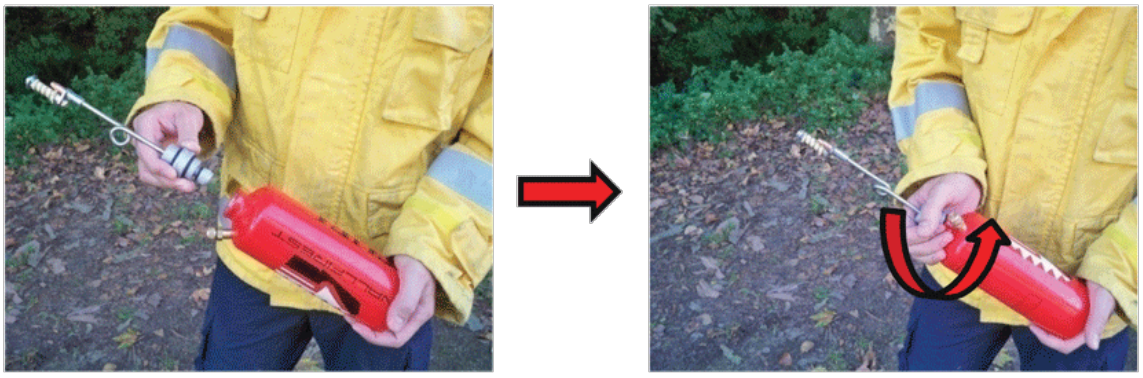
1) Unscrew partially the regulating valve of fuel entrance to the spout (**T2**).



2) Unscrew the asymmetric cap and remove carefully the spout of the inside of the bottle.

2) USER MANUAL:

3) Screw the cap into the torch so that the spout is in the opposite direction of the fuel bottle.

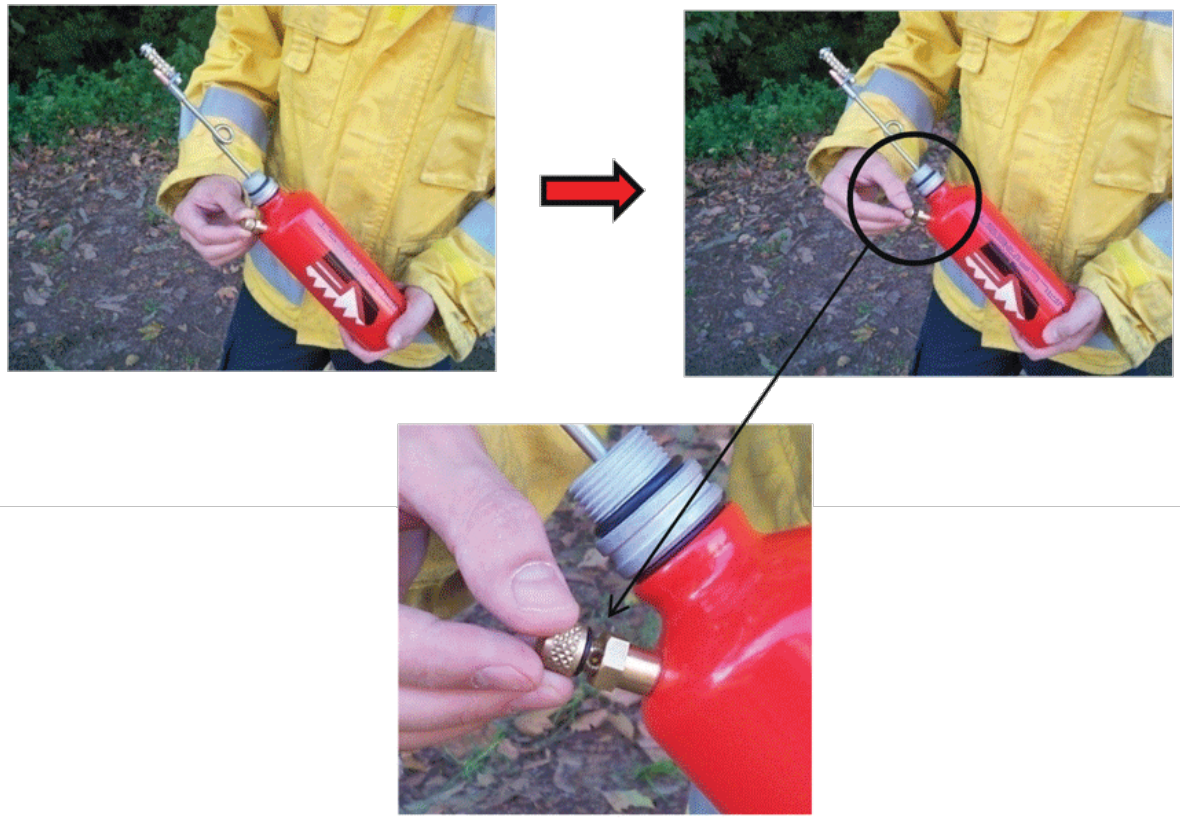


* **NOTE:** Make sure that the spout is fixed so that the spiral of it is aligned with the ejection nozzle of the fuel and the regulating valve as it is shown in the picture below.

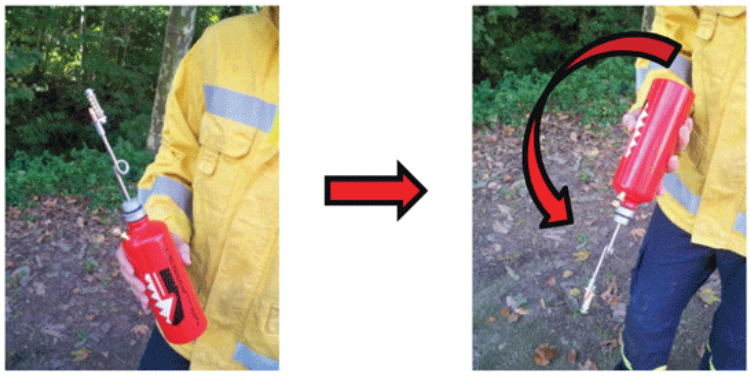
* **IMPORTANT:** Never screw the spout into the torch by placing the hand in the spout . To avoid damaging the product and prolong its life, always screw the spout exerting force on the asymmetric cap (as it is shown in the picture above).

2) USER MANUAL:

4) Unscrew partially the breather valve (**T3**).



5) Make a swing motion of the torch until the fuel begins to pour through the spout over the wick



* **NOTE:** The swinging motion is performed as follows:

- With the torch in a vertical position, it should be rotated so that the spout passes from a up indication to a down indication.

2) USER MANUAL:

6) Once the fuel starts to pour, adjust the fuel flow by screwing/unscrewing the flow regulating valve (**T3**):

- Unscrew the valve to increase the flow.
- Screw the valve to reduce the flow.

* **IMPORTANT:** Never unscrew the valve completely. Once the screw hole is fully exposed, do not unscrew the valve more.

7) When the wick is soaked with fuel, set fire on it by using a lighter or by moving the wick closer to a flame.

8) Keep the torch in a vertical position while it is not necessary to drop the fuel. Tilt the torch in order to perform the maneuvers.

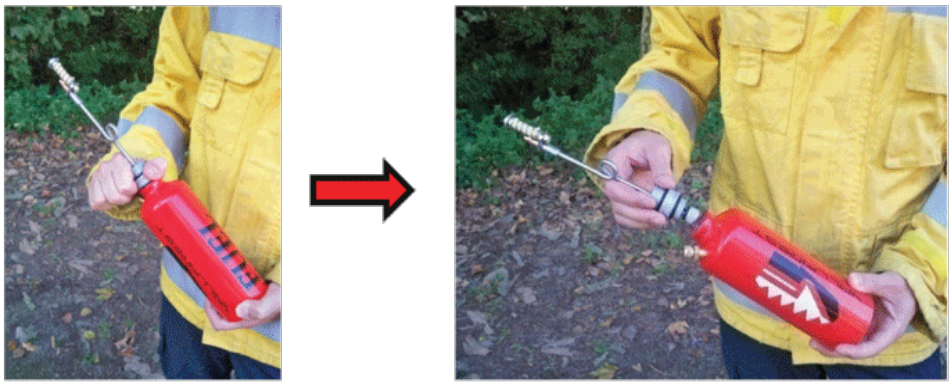
9) Once the maneuvers are finished and its wanted to store the torch, extinguish the flame of the wick by smothering it with the glove, by air flow (blowing) or keeping the torch in a upright position until the wick stops burning for lack of fuel .

10) Before disassembling the spout, let it cool few minutes.

11) To disassemble the torch, firstly screw completely the breathing valve .

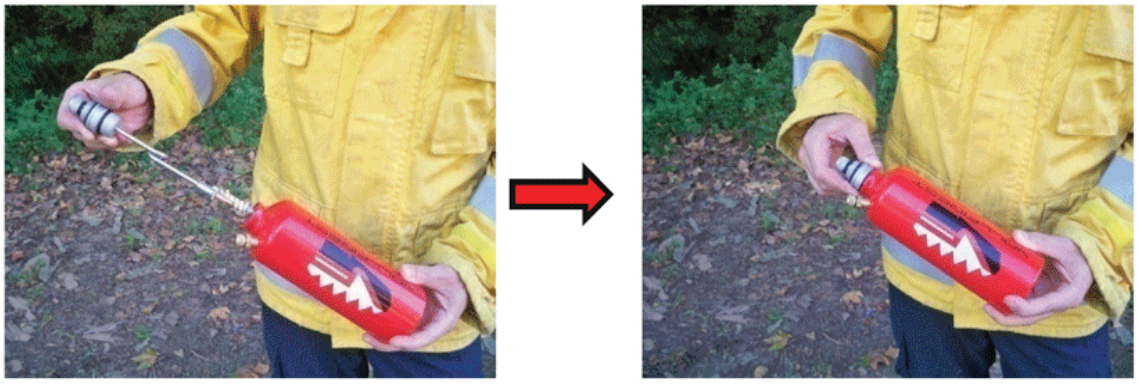
2) USER MANUAL:

12) Unscrew the asymmetric cap (that contains the spout) and remove it.



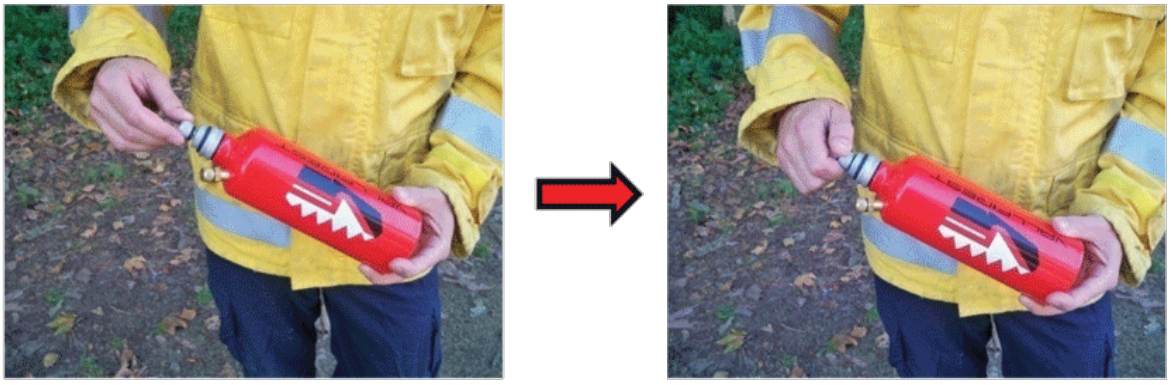
* **IMPORTANT:** Never unscrew the spout of the torch by placing the hand in the spout (as its shown in the picture below). To avoid damaging the product and prolong its life, always screw the spout exerting force on the asymmetric cap (**T7**).

13) Turn 180 degrees the spout and insert it into the bottle in order to screw the cap with the spout inside the bottle.



2) USER MANUAL:

14) Screw completely the regulating valve of fuel entrance to the spout.

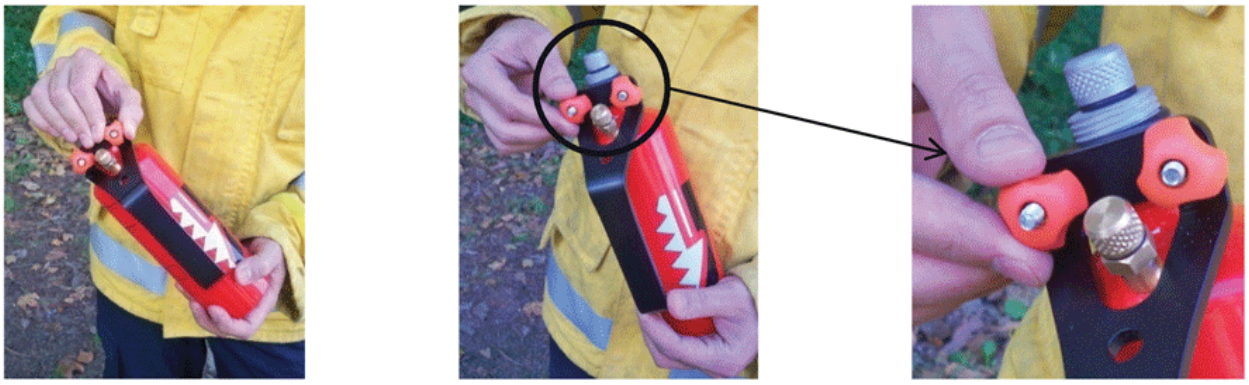


2.2) How to use the torch with the optional handle.

Vallfirest provides a handle that facilitates the operations to be performed with the Compact Drip Torch Vallfirest.
The acquisition of this supplement is highly recommended, but optional.

If you have this complement, the assembling instructions are modified as follows:

1) Unscrew partially the wing nuts (**T4**) that tighten the clamp that holds the handle.



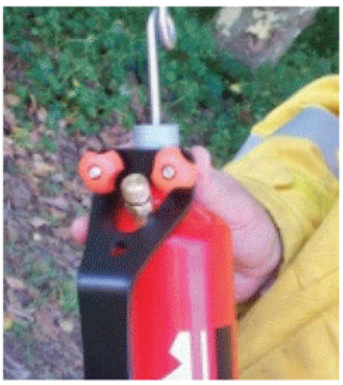
2) USER MANUAL:

2) Remove the handle.

3) Proceed with the steps described before in the section *How to use the torch*. Follow in the same way the steps from *1* to *4*.

4) Insert the spout through the clamp of the handle and place the clamp in the notch of the asymmetric cap.

* **IMPORTANT:** Make sure that once the clamp is placed in the notch, the breathing valve (**T3**) is placed in the hole of the handle intended for this.



2) USER MANUAL:

5) Screw the wing nuts (**A4**) so that the handle is securely attached to the asymmetric cap (**A7**).

6) Proceed with the steps from *5* to *11* of the section *How to use the torch*.

7) Unscrew partially the wing nuts and remove the handle.

8) Proceed with the steps from *12* to *14* of the section *How to use the torch*.

9) Place the clamp in the notch of the asymmetric cap (**A7**) and screw the wing nuts so that the handle is securely attached.

* **IMPORTANT:** Make sure that once the clamp is placed in the notch, the breathing valve (**T3**) is placed in the hole of the handle intended for this.

3) TRANSPORT

4) SAFETY PRECAUTIONS:

1) Perform a proper maintenace of the product is the most important safety precaution.
* See the section *Maintenance*.

2) Follow strictly the safety instructions labeled on the torch

- Maximum filling level: A overfill may cause a malfunction of the torch.

- Risk and safety pictograms:

Highly flammable product.

Tóxic product.

- Safety warnings:
  - Keep away from children.
  - Only use this bottle for liquid fuel.

5) MAINTENANCE:

1) Clean the exterior components using a dry cloth or paper to prevent accumulation of dirt on it.

- Clean especially after fueling and after a performance with the torch.

- Clean carefully the valves for its proper functioning.

2) Make a visual check daily (before and after each performance) to check for any cracks or bumps on the outside of the bottle.

3) Perform an annual cleaning of the internal safety valve of the asymmetric cap. Clean the internal 5 mm Inox ball.

4) Replace the O-rings every 2 campaigns or if they are broken or they have fuel leaks .

5.1) Spare parts.

Vallfirest provides the required parts to extend product life while minimizing costs.

These parts are composed mainly of:

- O-Ring Kit.
- Replacement wick.